

Claims

1. A gas generator, comprising  
  
a housing (12), which has outflow openings (22, 28) for outflowing gas, and  
  
at least one destructible insulation foil (24) which in a non-activated state of  
5 said gas generator (10) closes at least one of said outflow openings (22) so as to  
be moisture-tight,  
  
said insulation foil (24) having a varying thickness,  
  
characterized in that  
  
said varying thickness is provided by said foil (24) comprising a base layer  
10 (32) and at least one thermally insulating foil layer (23) with a varying thickness,  
which lies over said base layer (32).
2. The gas generator according to Claim 1, characterized in that said  
thermally insulating foil layer (34) is a plastic layer.
3. The gas generator according to Claim 1, characterized in that said  
15 thermally insulating foil layer (34) lies on a side of said insulation foil (24) which  
faces a gas flow.
4. The gas generator according to Claim 1, characterized in that said base  
layer (32) is made of metal.
5. The gas generator according to Claim 1, characterized in that said base  
20 layer (32) has a uniform thickness.
6. The gas generator according to Claim 1, characterized in that said  
thermally insulating foil layer (34) is applied onto said base layer (32) by  
spraying.

7. The gas generator according to Claim 1, characterized in that said insulation foil (24) covers several outflow openings (22) and has regions with a varying thickness for various outflow openings (22).

8. The gas generator according to Claim 1, characterized in that the thickness  
5 of said thermally insulating foil layer (34) is, in parts, zero.

9. The gas generator according to Claim 8, characterized in that said insulation foil (24) only partially has said thermally insulating foil layer (34), in order to cover at least one selected outflow opening (22) with said additionally thermally insulating foil layer (34), and to cover at least one selected outflow  
10 opening (22) with said base layer (32) and without said foil layer (34).

10. The gas generator according to Claim 1, characterized in that said base layer (32) has front and rear sides which are covered by said foil layer (24).

11. The gas generator according to Claim 1, characterized in that said at least one insulation foil (24) is constructed such that, at an ambient temperature of  
15 greater than 75°C all of said outflow openings (22) are opened by a generated gas.

12. The gas generator according to Claim 1, characterized in that said at least one insulation foil (24) is constructed such that, at an ambient temperature of less than -25°C not all of said outflow openings (22) are opened by a generated gas.

13. The gas generator according to Claim 11, characterized in that said at least  
20 one insulation foil (24) is constructed such that, at an ambient temperature of less than -25°C, one of said outflow openings (22) which is closed by a thicker insulation foil (24), compared to one of said outflow opening (22) which is closed by a thinner insulation foil (24), is opened with a time delay that is greater by at least a factor four than a time delay which exists at an ambient temperature of  
25 greater than 75°C.